

BELIK, V.F.; GONTAR', P.K.

Two-drum unreeling machine. Mashinostroitel' no.8:13 Ag '60.
(MIRA 13:9)

(Winding machines)

GONTAR', P.P.

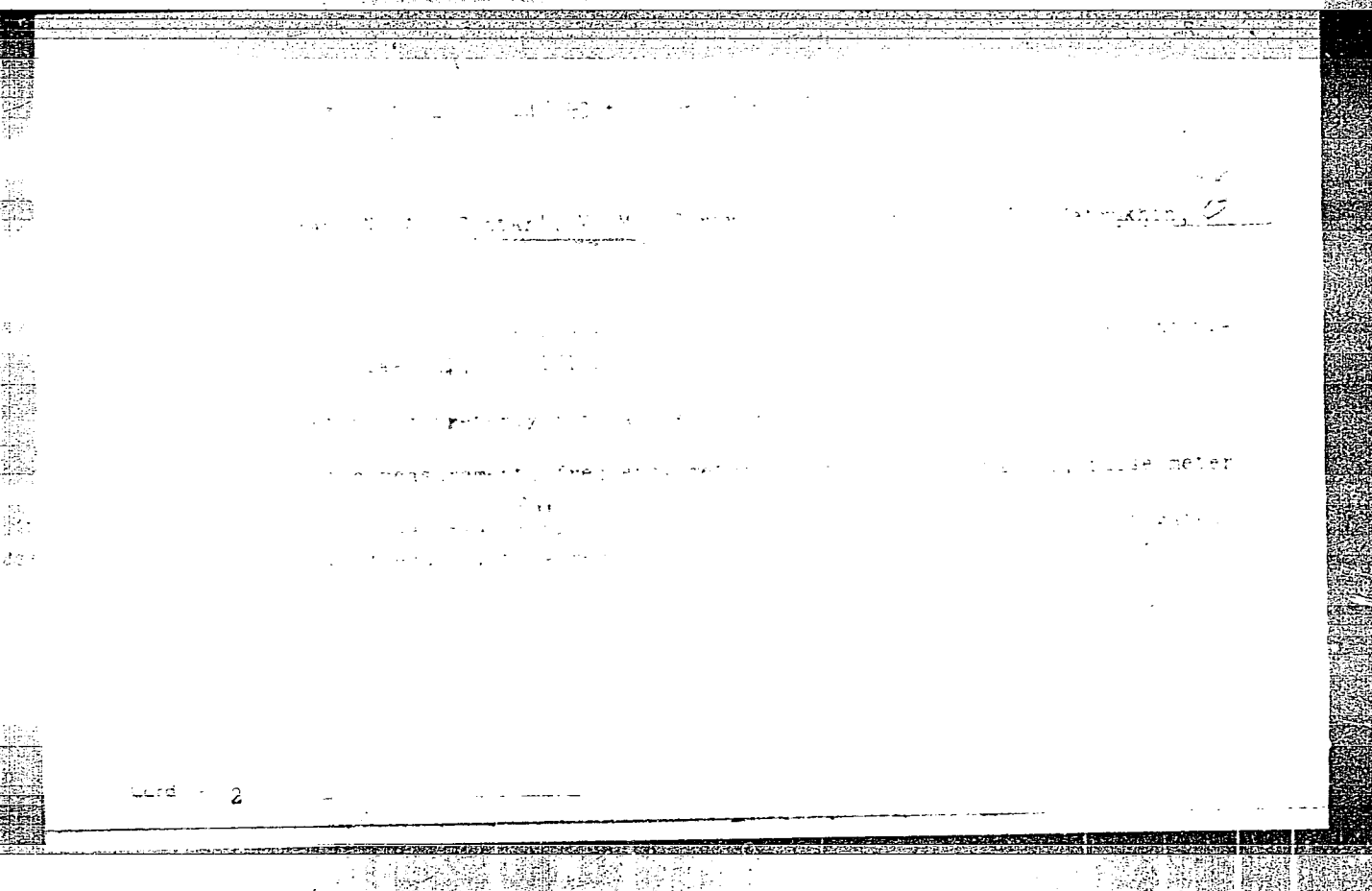
Effect of caffeine on higher nervous activity processes and
the excitability of cortical cells of the motor analyzer.
Zhur. vys. nerv. deiat. 14 no.3:512-519 My-Je '64. (MIRA 17:11)

1. Chair of Pharmacology, Rostov-on-Don Medical Institute.

GONTAR', V.A., veterinarnyy vrach

Acidophilous bouillon culture as a prophylactic and therapeutic measure in the paratyphoid of ducks. Zhivotnovodstvo 21 no.5: 85-86 My '59. (MIRA 12:7)

1. Kolkhoz imeni Lenina.
(Ducks--Diseases and pests) (Paratyphoid fever)
(Lactic acid bacteria)



L 07074-05

ACCESSION NR: AP5016723

LOCATION: Kiyevskoye otdeleniye Tsentral'nogo nauchno-issledovatel'skogo
Ministerstva svyazi: 1978 Kiyevskoye otdeleniye Tsentral'nogo nauchno-issledovatel'skogo
Ministerstva svyazi: 1978 Kiyevskoye otdeleniye Tsentral'nogo nauchno-issledovatel'skogo

Card 2/2

GONTAR', Ye. I.

"The anatomo-topographic mutual relationships of the human pericardium and the diaphragm"
Sbornik trudov, posvyashch, prof. Savinykh, Tomsk, 1948, p. 89-93.

So: U-3621, 10 April 1953 (Letopis 'Zhurnal 'nykh Statey, No.12, 1949).

GONTARENKO, A.N.

Selecting the fiber length in the manufacture of artificial fur.
Tekst.prom. 23 no.8:56-58 Ag '63. (MIRA 16:9)

1. Zaveduyushchiy laboratoriyey iskusstvennogo mekha Ukrainskogo
nauchno-issledovatel'skogo instituta po pererabotke iskusstvennogo
sinteticheskogo volokna (UkrNIIPV).
(Artificial fur)

SMIRNOV, Leonid Stepanovich; GONTARENKO, Aleksandr Nikolayevich;
GORDIYENKO, Mariya Georgiyevna; KRYLOV, Aleksandr Iosifovich;
NOVAK, Nikolay Stepanovich; LYASHCHENKO, T.V., red.; STARODUB,
T.A., tekhn. red.

[Manufacture of artificial fur] Proizvodstvo iskusstvennogo
mekha. Kiev, Gos. izd-vo tekhn. lit-ry USSR, 1961. 138 p.
(MIRA 15:4)

(Artificial fur)

GONTARENKO, A.N., insh.

Unjustified proposal. Tekst. prom. 21 no.1:73-74 Ja '61. (MIRA 14:3)
(Knitting machines)

GONTARENKO, A.N. [Hontarenko, O.M.]; KREPEL', M.B.

Rate of the feeding of carded sliver. Leh.prom. no.1:
22-24 Ja-Mr '64. (MIRA 19:1)

GONTOVENKO, N.P.; ROZENBERG, Yu.G.; ZAMALIN, P.S.; TSUKERMAN, S.I.;
GONTARENKO, I.F.; SYTNYANSKIY, V.D.; MARKMAN, I.L.

Smelting of pig iron in a coke gas cupola furnace. Prom. energ.
15 no.8:14-16 Ag '60. (MIRA 15:1)
(Cupola furnaces)
(Coke-oven gas)

GONTARENKO, M.A.

USSR/General and Special Zoology. Insects. Injurious In- P
sects and Ticks. Pests of Fruit and Berry Crops

Abs Jour : Ref Zhur - Biol., No 11, 1958, No 49656

Author : Zotsenko L.N., Gontarenko M.A.

Inst : All-Union Institute of Plant Protection, Moldavian
Station

Title : Testing of Various Methods of Chemical Control
of the Lesser Apple Worm.

Orig Pub : Sb. tr. Mold. st. Vses. in-ta zashchity rast.,
1957, vyp. 2, 103-106

Abstract : For late varieties [of apples], it is necessary
in the control of the lesser apple worm in Mold-
avia to carry out four sprayings with a 0.2% sus-
pension of DDT (according to the active substance);
the first and the third sprayings at the begin-
ning of the birth of larvae of the first and sec-
ond generations, and the second and fourth, 20-
22 days after the first and the third sprayings.

Card : 1/2

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000516020006-1

USSR/General and Special Zoology. Insects. Injurious In- P
sects and Ticks. Pests of Fruit and Berry Crops

Abs Jour : Ref Zhur - Biol., No 11, 1958, No 49656

Resistance of the lesser apple worm to DDT after
systematic use of DDT in the garden for 5 years
was not noted. To suppress fruit mites it is
necessary to add colloidal sulphur, Thiophos,
other sulfonate, selinon, chlorthane or a lime-
sulphur decoction to the DDT suspension. The use
of DDT emulsions is undesirable, because in a 0.2%
concentration they are somewhat phytotoxic. In
the control of the lesser apple worm a 0.3% em-
ulsion of calcium arsenate is effective with no
less than three sprayings against larvae of each
generation at intervals of 10-12 days, but the
use of calcium arsenate is much less profitable
than the use of DDT suspensions. -- A.P. Adrianov

Card : 2/2

GONTARENKO, M. H.

USSR/General and Special Zoology. Insects. Injurious In-
sects and Ticks. Pests of Fruit and Berry Crops

Abs Jour : Ref Zhur - Biol., No 11, 1958, No 49652

Author : Gontarenko M.A.

Inst : All-Union Institute of Plant Protection, Moldavian
Station

Title : Poisoned Entrapping Belts in the Control of the
Lessor Apple Worm

Orig Pub : Sb. tr. Mold. st. Bses. in-ta zashchity rast.,
1957, vyp. 2, 173-180

Abstract : In 1953, belts which were moistened with a 60%
suspension of Thiophos dust, and in addition a
15% oil emulsion of DDT, were tested. The oily
layer on the surface of the belts decreased the
Thiophos evaporation, preserved the belts from
being moistened by rains, and prevented the de-
composition of Thiophos. All the larvae crawling

Card : 1/2

62

USSR/General and Special Zoology. Insects. Injurious In-
sects and Ticks. Pests of Fruit and Berry Crops
APPROVED FOR RELEASE: 06/13/2000 CIA-RDP86-00513R000516020006-1"

Abs Jour : Ref Zhur - Biol., No 11, 1958, No 49652

in under the belts during the summer perished.
In 1955, the addition of 20% DDT plant emulsion
to the 60% Thiophos suspension produced good re-
sults against the lessor apple worm. In 1956, the
belts greased with a 0.45-0.6% emulsion (according
to the active substance) and additional carbol-
inum with earth were effective against the les-
sor apple worm and other pests, especially against
the hawthorn mite. The cost of preparing and
using 100 belts with Thiophos suspensions and
DDT during the summer was 59.59 rubles, with a
Thiophos emulsion 46 rubles, and untreated belts
(for checking) 89.23 rubles. Instructions are
given as to preparing poisoned belts and attaching
them to the trees. -- A.P. Adrianov

Card : 2/2

GONTARENKO, M.A.

USSR/General and Special Zoology. Insects. Injurious In- P
sects and Ticks. Pests of Fruit and Berry Crops

Abs Jour : Ref Zhur - Biol., No 11, 1958, No 49657

Author : Gontarenko M.A.

Inst : ~~All-Union~~ Institute of Plant Protection, Moldavian
Station

Title : Methods and Results of Toxicological Studies in
the Use of DDT Preparations for the Control of
the Lesser Apple Worm.

Orig Pub : Sb. tr. Mold. st. Vses. in-ta zashchity rast., 1957,
vyp. 2, 181-191

Abstract : Not less than fifteen fruits were taken as test
samples for the investigation, removing one or
two from each of the northern and southern sides
of the crowns of ten or more test trees. The
test samples were put in flower pots and among
leaves pasted on paper, eggs of the lesser apple
worm with completely developed embryos were

Card : 1/2

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000516020006-1

USSR/General and Special Zoology. Insects. Injurious In- P
sects and Ticks. Pests of Fruit and Berry Crops

Abs Jour : Ref Zhur - Biol., No 11, 1958, No 49657

placed. Sprayings with 0.2% emulsion and sus-
pension of DDT dust were highly toxic for the
larvae (more than 75% diad). The length of the
effect of the DDT emulsion was 21-25 days and of
DDT suspension, 15-18 days. The DDT emulsion had
a phytotoxic effect on the apple tree, and its
use in gardens is undesirable. Spraying four
times with a 0.2% DDT suspension with an addi-
tion of acaricides is the best method of control-
ling the lesser apple worm. The use of DDT to-
gether with 1% of Bordeaux mixture increased the
retention of the compound in the plants. An
aerosol of 10-15% oily solution of DDT was only
slightly effective against larvae of the lesser
apple worms. There was no resistance of the
lesser apple worm to DDT. -- A.P. Adrianov

Card : 2/2

COUNTRY : USSR P
CATEGORY : GENERAL & SPEC. ZOOLOGY. INSECTS
Insect and Mite Pests.
ABS. JOUR.: Ref Zhur - Biologiya, No. 4, 1959, No. 16316
AUTHOR : Gontarenko, M.A.
INST.:
TITLE : Toxic Effect of Trapping Belts in Controlling
the Leaf-Roller Moth.
ORIG. PUB.: Sadovodstvo, vinogradarstvo i vinodeliye
Moldavi, 1958, No. 2, 60-61
ABSTRACT : No abstract.

CARD: 1/1

GONTARENKO, M.A., starshiy nauchnyy sotrudnik; ZEL'TSER, V.Ya., inzh.-mekhanik; TOPOR, I.A., agronom-plodovod

Filling station for sprayers. Zashch.rast.ot vred.i bol. 5
no.7:18-19 J1 '60. (MIRA 16:1)

1. Moldavskaya stantsiya Vsesoyuznogo instituta zashchity rasteniy (for Gontarenko). 2. Sovkhoz imeni Frunze (for Zel'tser, Topor).

(Spraying and dusting equipment)

GONTARENKO, M. A., starshiy nauchnyy sotrudnik

Thiophos bands for controlling the codling moth. Zashch. rast.
ot vred. i bol. 5 no.11:43-44 N '60. (MIRA 16:1)

1. Moldavskaya stantsiya Vsesoyuznogo instituta zashchity
rasteniy.

(Moldavia—Codling moth—~~Extermination~~)
(Insect traps)

BOGDANOVA, V.N., kand.biolog.nauk; GONTARENKO, M.A., starshiy nauchnyy
sotrudnik

Importance of seasonable application of measures for plant protection.
Zashch. rast. ot vred. i bol. 6 no.12:5-6 D '61. (MIRA 16:5)

1. Moldavskiy filial Vsesoyuznogo instituta zashchity rasteniy (for
Gontarenko).

GONTARENKO, M.A., starshiy nauchnyy sotrudnik

Sevin as an effective substitute for DDT. Zashch. rast.
ot vred. i bol. 7 no.7:32. JI '62. (MIRA 15:11)

1. Moldavskiy filial Vsesoyuznogo instituta zashchity
rasteniy.

(Moldavia—Apple—Diseases and pests)
(Sevin)

GONTARENKO M.A., starshiy nauchnyy sotrudnik

The chalcid fly *Eurytoma schreineri* in Moldavia. Zashch.
rast. ot vred. i bol. 7 no.10:26-27 0 '62.

(MIRA 16:6)

1. Moldavskiy filial Vsesoyuznogo instituta zashchity rasteniy.
(Moldavia—Plum—Diseases and pests)
(Moldavia—Chalcid flies—Extermination)

GONTARENKO, O.M. [Hontarenko, O.M.]; BRAGA, P.P. [Braha, P.P.]

Use of polyacrylonitrile Prelana fibers in the knit goods industry.
Leh. prom. no.3:8-11 J1-S '64. (MIRA 17:10)

BELASH, F.N.; GONTARENKO, P.A.; LOZOVAYA, L.V.; STREL'TSYN, G.S.;
DOLZHENKOVA, A.N.

V.I.Klassen's and Mao Chi-fan's article "Mechanism of the
effect of water glass in the flotation of nonsulfide minerals."
F.N.Belash and others. TSvet.met. 33 no.5:74-75 My '60.
(MIRA 13:7)

(Flotation) (Klassen, V.I.)
(Mao Chi-fan') (Belash, F.N.)

BELASH, F.N. [Bielash, F.N.]; GONTARENKO, P.A. [Hontarenko, P.A.]

Use of a combined depressant of waste rock minerals in the
flotation of iron ores. Dop. AN URSSR no. 5:640-643 '61.

(MIRA 14:6)

1. Krivorgoskiy gornorudnyy institut. Predstavleno akademikom
AN USSR A.N. Shcherbanem [Shcherban', O.N.].
(Flotation)

BELASH, F. N.; GONTARENKO, P. A.

Flotation of ores of the Krivoy Rog Northern Mining and Ore
Dressing Combine. Gor. zhur. no. 10:62-64 0 '62.

(MIRA 15:10)

1. Krivorozhskiy gornorudnyy institut.

(Krivoy Rog Basin—Iron ores)
(Flotation)

BELASH, F.N., prof., doktor tekhn. nauk; GONTARENKO, P.A., aspirant

Flotation of iron ores from the Ingulets Mining and Ore Dressing
Combine. Sbor. nauch. trud. KGRI no.13:168-176 '62.

(MIRA 16:8)

(Ingulets region—Iron ores)
(Flotation)

BELASH, F.N., doktor tekhn.nauk, prof.; GONTARENKO, P.A., aspirant

Activation of magnetite in soap flotation. Sbor.nauch.trud.
KGRI no. 21:235-239 '63. (MIRA 17:7)

BELASH, F.N., doktor tekhn. nauk; GONTARENKO, P.A., inzh.

Iron ore dressing at the Northern Mining and Ore Dressing
Combine using magnetic separation and flotation. Met. i gornorud.
prom. no.6152-55 N-D '62. (MIRA 17:8)

1. Krivorozhskiy gornorudnyy institut.

GONT, TS.F., inzh. (Khar'kov)

Simplifying the hydraulic calculations of steam piping. Vod.
1 san. tekhn. no. 2:33 F '64 (MIRA 18:2)

BOCHKOVSKAYA, I.V., gornyy inzh., red.; BONDARENKO, Yu.A., gornyy inzh., red.; VELICHKO, A.P., gornyy inzh., red.; GONTARENKO, V.A., gornyy inzh., red.; OSTASHEVSKIY, G.Ye., gornyy inzh., red.; OKUNEV, A.L., gornyy inzh., red.; KIRILENKO, R.Ye., gornyy inzh., red.; LADOZHINSKIY, V.N., gornyy inzh., red.; LOBAS, A.S., gornyy inzh., red.; MAKAROVA, N.I., gornyy inzh., red.; POLYANSKIY, F.S., gornyy inzh., red.; SHTUNDER, I.I., gornyy inzh., red.; ARSENT'YEV, A.I., kand. tekhn. nauk, otv. red.; PROZOROVSKIY, Ye.G., tekhn. red.

[Handbook on engineering standardization for open-pit mining]
Spravochnik po tekhnicheskomu normirovaniyu otkrytykh gornykh
rabot. Moskva, Gos. nauchno-tekhn. izd-vo lit-ry po gornomu
delu, 1961. 264 p. (MIRA 14:10)

1. Krivoy Rog. Gornorudnyy institut.
(Strip mining—Standards)

GONTAREV, B. H.

TEMNIKOVA, T. I.; GONTAREV, B. A.

Benzylidene derivatives of the hydrate form of α -ketols
containing 1,3-dioxolane cycles. Dokl. AN SSSR 112 no.3:
445-448 Ja '57. (MLRA 10:4)

1. Leningradskiy gosudarstvennyy universitet im. A.A. Zhdanova.
Predstavleno akademikom I.N. Nazarovym.
(Ketols) (Toluene) (Dioxolane)

5.3400

78257
SOV/79-30-3-11/69

AUTHORS: Temnikova, T. I., Gissel', R., Gontarev, B. A.

TITLE: Investigation in the Field of Cyclic Acetals of Oxycarbonyl Compounds. X. Methyl Lactolides of Dimethyl-p-Anisoyl- and Dimethyl-p-Chlorobenzoyl Carbinols and Their Transformations

PERIODICAL: Zhurnal obshchey khimii, 1960, Vol 30, Nr 3, pp 776-781 (USSR)

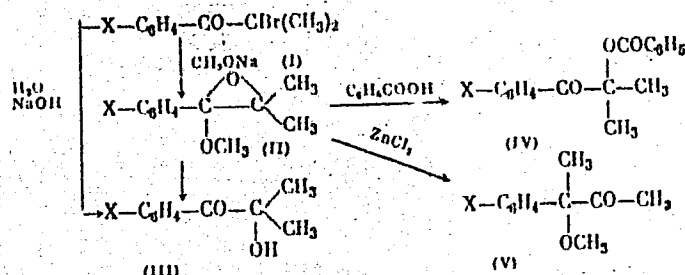
ABSTRACT: Two methyl lactolides of tertiary aliphatic-aromatic α -keto alcohols with Cl- and CH_3O -substituted benzene ring were synthesized. α -bromoisopropylanisyl ketone (I, $\text{X} = \text{CH}_3\text{O}$) on slow heating with sodium methylate gave an oily substance, which, on vacuum distillation and fractionation, gave the methyl lactolide of dimethyl-p-anisoyl carbinol (II, $\text{X} = \text{CH}_3\text{O}$; bp 84°C at 2 mm; 97°C at 4 mm; 108.5°C at 6 mm; mp $38.5\text{--}39^\circ\text{C}$).

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Investigation in the Field of Cyclic
Acetals of Oxycarbonyl Compounds. X

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Methyl lactolide of dimethyl-p-chlorobenzoyl carbinol
(II, X = Cl, bp 94-95° C at 5 mm) was obtained similarly
from α -bromoisopropyl-p-chlorophenyl ketone (I, X = Cl).
Both lactolides were comparatively stable and did not
decompose in sealed ampoules for a long period of time.
They were hygroscopic and hydrolyzed in air forming the
corresponding α -keto alcohols (III). The methoxy-
substituted lactolide was much more hygroscopic and
hydrolyzed more easily than the chlorine-substituted

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Investigation in the Field of Cyclic
Acetals of Oxycarbonyl Compounds. X

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SOV/79-30-3-11/69

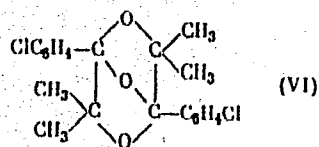
one. The lactolides in reaction with benzoic acid gave the corresponding esters (IV; mp 73.5-74.5° C, from petroleum benzin, for X = CH₃O, mp 110-111° C, from aqueous methanol, for X = Cl). Heating with a small amount of ZnCl₂ isomerized the lactolides into the corresponding methoxy ketones (V, bp 102-103° C at 2.5 mm; mp 41-42° C, for X = CH₃O; bp 118-119° C at 9 mm for X = Cl). Carbinol (III, X = CH₃O, mp 54-55° C) was also obtained on heating the bromoketone I with aqueous NaOH or on hydrolysis of the methyl lactolide with 5% H₂SO₄, also with heating. The introduction of Cl-substituent in para-position of the benzene ring speeded up the reactions as compared with unsubstituted or CH₃O-substituted compounds. The bromoketone (I, X = Cl) gave with NaOH a highly exothermal reaction yielding carbinol (III, X = Cl, bp 115-117° C). The latter

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Investigation in the Field of Cyclic
Acetals of Oxycarbonyl Compounds. X

78257
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was very unstable and in the presence of acids was transformed into the anhydrodimer (VI, mp 177-178° C, from aqueous methanol) of a presumably tricyclic structure.



There are 9 references, 2 U.S., 1 German, 6 Soviet. The U.S. references are: P. Z. Bayless, C. R. Hauser, J. Am. Chem. Soc., 76, 2306 (1954); A. K. Glasgow, G. Ross, J. Res. NBS, 57, Nr 3 (1956).

ASSOCIATION: Leningrad State University (Leningradskiy gosudarstvennyy universitet)

SUBMITTED: July 22, 1959
Card 4/4

TEMNIKOVA, T.I.; GONTAREV, B.A.; GISSEL', R.

Cyclic acetals of hydroxy carbonyl compounds. Part 11: Interaction between methyl lactolides of fatty-aromatic ~~α~~-keto alcohols and aromatic aldehydes and ketones. Zhur.ob.khim. 30 no.8: 2457-2462 Ag '60. (MIRA 13:7)

1. Leningradskiy gosudarstvennyy universitet.
(Aldehydes) (Ketones) (Alcohols)

TEMNIKOVA, T.I.; GONTAREV, B.A.

Cyclic acetals of hydroxycarbonyl compounds. Part 13; Possibility of condensing methoxy oxides with aldehydes and ketones of the aliphatic, aliphatic-aromatic, and alicyclic series. Zhur.ob.khim. 33 no.12:3799-3802 D '63. (MIRA 17:3)

1. Leningradskiy gosudarstvennyy universitet.

GONTAREV, M.M. [Hontar'ov, M.M.], agronom

More about the baling of straw. Mekh.sil'.hosp. 11 no.2:27
F '60. (MIRA 13:6)

1. Brigada No.2 kolkhosa im. 17 parta'yezda, Beresovskogo rayona,
Odesskoy oblasti.
(Straw)

L 27674-66 EWT(m)/T/ENP(t)/ETI IJP(c) JD/HW/GD

ACC NR: AT6013829

SOURCE CODE: UR/0000/65/000/000/0014/0020

AUTHOR: Gontareva, R. G.; Tikhonov, L. V.

55
B+1

ORG: Institute of Metal Physics, AN UkrSSR (Institut metallofiziki AN UkrSSR)

TITLE: Crystal structure changes in surface layers of nickel specimens induced by periodic thermal loads

27

SOURCE: AN UkrSSR. Issledovaniye nesovershenstv kristallicheskogo stroyeniya (Study of imperfections in crystal structure). Kiev, Naukova dumka, 1965, 14-20

TOPIC TAGS: nickel, material failure, metal crystal, thermal stress, crystal structure, metal surface

ABSTRACT: Specimens of electrolytically pure nickel were annealed for 30 min at 500C to remove the surface work hardness resulting from their preparation, some of the specimens were polished mechanically, and all were subjected to thermal treatment which consisted in heating to 900C, holding for 5 min, and cooling in water (25C). The specimens were then analyzed by x-ray diffraction and electron microscopy. The results indicate that the mechanisms of failure of thin and massive nickel specimens are substantially different: in the case of failure of thin specimens, a predominant role is played by a vacancy mechanism, whereas in massive specimens at considerable heating and cooling rates the thermal stresses produced are large enough to activate the dislocatory process of failure. The authors thank Yu. N. Petrov for the electron micrographs. Orig. art. has: 3 figures.

SUB CODE: 11, 07/ SUBM DATE: 28Nov64/ ORIG REF: 005/ OTH REF: 005

Card 1/1 CC

2

L 45423-66 EWP(t)/ETI IJP(c) JD/HW

ACC NR: AP6026378 (N) SOURCE CODE: GE/0030/66/015/001/0137/0139

AUTHOR: Gontarz, R.; Ratajczak, H.; Suda, P.

ORG: [Gontarez; Ratajczak] Laboratory of Ferromagnetics, Institute of Physics,
Polish Academy of Sciences, Poznan; [Suda] Institute of Physics, Czechoslovak
Academy of Sciences, Prague

TITLE: Stresses in thin Ni-films with uniaxial anisotropy

SOURCE: Physica status solidi, v. 15, no. 1, 1966, 137-139

TOPIC TAGS: uniaxial anisotropy, linear stress, nickel film

ABSTRACT: Measurements are made of linear stresses in Ni-films deposited at angles of incidence of the vapor ranging from 0 to 80°, perpendicular (σ_{\perp}) and parallel (σ_{\parallel}) to the plane of incidence. The stresses are found to increase for small angles and to decrease for angles above 20°. The σ_{\parallel} stresses decrease more rapidly, and become negative above 60°. The dependence of the stresses on the angle of incidence of the vapor can be explained in terms of the anisotropy of the

Card 1/2

L 45423-66

ACC NR: AP6026378

porosity. The authors thank Prof. Dr. S. Szezeniowski for his interest throughout this work and for stimulating discussions. Orig. art. has: 1 figure and 1 table.
[Authors' abstract] [KS]

SUB CODE: 20/ SUBM DATE: 05Feb66/ OTH REF: 011/

hs

Card 2/2

CONTARZ, Romuald

Magnetic properties of thin ferromagnetic films in fast-changing and impulse magnetic fields. Zesz probl nauki Pol 25:68-83 '63.

Observations of the domain structure on thin iron films oriented by the geometry of evaporator. Ibid.:142-146

1. Department of Ferromagnetics, Institute of Physics, Polish Academy of Sciences, Poznan.

11-4-7465

5

ACCESSION NR: AP4045734

from the magnetostriction deflection curve (deflection measured in terms of the interference fringes for the green mercury line), with the following assumptions: thickness of the film is negligible compared with that of the substrate and the neutral zone of the substrate is at half its thickness; changes in deflection obey Hooke's law. Magnetostrictive deflection of the substrate is only in the direction of the applied magnetic field, bending in the perpendicular direction being neglected. Measurements were made on the axis of symmetry of the film, parallel to the magnetic field. A value of 10^{-6} was obtained, which does not differ much from the magnetostriction constant of bulk nickel (given as 1.1×10^{-6}). Deflection of the mica substrate due to stresses caused by the evaporation is shown in the interference pattern as a series of hyperbolic patterns, which can be explained as a result of wedge-like deflection of the substrate. The author is indebted to Prof. Dr. S. Szczeniowski of the Institute of Physics, Polish Academy of Sciences, for his interest and to E. Pares and G. Kambersky of the Institute of Physics, Czechoslovak Academy of Sciences, for helpful discussions." Orig. art. has: 3 figures.

Corr 2/3

L 145-2-65

ACCESSION NR: AP4045734

ASSOCIATION: Laboratory of Ferromagnetics, Institute of Physics,
Polish Academy of Sciences, Poznan; Institute of Physics, Czechoslovak
Academy of Sciences, Prague

DATE: 22 Jun 64

ENCL: 00

SUB CODE: SS, EM

NO REF SOV: 000 OTHER: 007

Card 3/3

GONTAYEV, A.F., kandidat sel'skokhozyaystvennykh nauk; TOLSTOV, Ye.P.,
kandidat sel'skokhozyaystvennykh nauk.

Seed corn production in new-corn growing areas. Nauka i pered.
op. v sel'khoz. no.9:6 S '56. (MIRA 9:10)
(Corn(Maise))

GONTAYEV, A.F.

USSR/Cultivated Plants - Grains.

M-4

Abs Jour : Ref Zhur - Biol., No 9, 1958, 39222

Author : Gontayev, A.F.

Inst : Fruit-Vegetable Institute imeni I.V. Michurina

Title : Some Problems of Corn Biology and Agrotechny .

Orig Pub : Tr. Plodoovoshchn. in-ta im. I.V. Michurina, 1956, 9, 295-302.

Abstract : Experiments conducted by the department of plant cultivation of the Fruit-Vegetable institute im. Michurin show that, with the proper agrotechny, ripe seeds could be obtained for sowing purposes in the Tambovskaya oblast' by using late ripening as well as early - ripening varieties. Data relating to the study of the development of different corn varieties is given. In 1955 the best yield of grain was obtained by sowing early (May 14th) and by growing

Card 1/2

USSR/Cultivated Plants - Grains.

M-4

APPROVED FOR RELEASE: 06/13/2000

CIA-RDP86-00513R000516020006-1

Abs Jour : Ref Zhur - Biol., No 9, 1958, 39222

three plants in one bunch. The largest yield of green mass was obtained by sowing late (May 28th) and placing 4 plants in one batch. The optimum depth for planting the seeds was 10 cm. Pre-sowing vernalization produced different results for different varieties; some results were favorable, and some were not. -- V.A. Vnuchikova

Card 2/2

TEMNIKOVA, T.I.; GONTAREV, B.A.

Cyclic acetals of hydroxycarbonyl compounds. Part 14: Methyl lactolide of dimethyl-p-toluyicarbinol and its condensation with carbonyl-containing compounds; mechanism of the condensation reaction. Zhur.ob.khim. 34 no.1:24-28 Ja '64. (MIRA 17:3)

1. Leningradskiy gosudarstvennyy universitet.

GONTARSKI, Tadeusz; POPLAWSKI, Bohdan; WOJNAROWSKA, Wanda

Sudden deafness. Otolaryng. pol. 17 no.2:167-178 '63.

1. Z I Kliniki Laryngologii i Studium Doskonalenia Lekarzy Akademii Medycznej w Warszawie Kierownik doc. dr med. T. Bystrzanowska.
(DEAFNESS)

GONTAEVA, A.,

EL'ictere a virus." Sergueiev, P., Tareev, E., Gontaeva, A., Lifchits, I., Savinski, G., Trofimovski, N., et Zimmermann, A., (p. 595)

SO: Journal of General Chemistry (Zhurnal Obshchei Khimii) 1940, Volume 18, No1.

GONTAYEVA A. A.

PA 17T35

USSR/Medicine - Malaria
Medicine - Chemotherapy

May/Jun 1947

"Data on Malaria Treatment by Paludrine, A. A. Gontayeva, Clinical Department of the Institute of Malaria and Medical Parasitology of the Academy of Medical Sciences, USSR, 3 pp

"Meditsinskaya Parazitologiya" No 3

Brief discussion, with tabular data, to the effect that preliminary study of paludrine in 22 cases of malaria tertiana proved the great effectiveness of the preparation in relation to the cure of fewer paroxysms.

17T35

NOVOSELOV, Ye. I. and KOSTILYUK, K. F.

"Treatment of Malaria With Bigumal (p-chlorophenyl- N- isopropylbiguanide)",
Med. Paraz. i Paraz. Bolez., Vol. 17, No. 4, pp 289-98, 1948.

GONTAYEVA. A. A.

"Malignant Malaria (Clinical Aspects, Pathogenesis, and Treatment)." Dr.
Med Sci, (no inst given), Acad Med Sci USSR, Moscow, 1954. (KL, No 8, Feb 55)

SO: Sum. No. 631, 26 Aug 55 - Survey of Scientific and Technical Dissertations
Defended at USSR Higher Educational Institutions (14)

GONTAYEVA, A.A.

"Diagnosis of malaria." V.S.Nesterov. Reviewed by A.A.Gontayeva.
Sov. med. 18 no.10:45 0 '54. (MLRA 7:11)
(MALARIAL FEVER) (NESTEROV, V.S.)

GONTAYEVA, Aleksandra Aleksandrovna

GONTAYEVA, Aleksandra Aleksandrovna (Inst of Malaria, Medical Parasitology, and Helminthology of the Min of Health USSR), Academic degree of Doctor of Medical Sciences, based on her defense, 22 April 1955, in the Council of the Department of Clinical Medicine, Acad Med Sci USSR, of her dissertation entitled: "Malignant malaria (clinic, pathogenesis, treatment)."

For the Academic Degree of Doctor of Sciences

Byulletn' Ministerstva Vysshego Obrazovaniya SSSR, List No. 7, 31 March 1956
Decision of Higher Certification Commission Concerning Academic Degrees and Titles.

JPRS 512

GONTAYEVA, A. A.

GONTAYEVA, A.A., doktor med.nauk (Moskva)

"Brief manual on the main acute communicable diseases" by K.V.Bunin.

Reviewed by A.A.Gontseva. Fel'd. 1 skush. 22 no.12:55-56 D '57.

(COMMUNICABLE DISEASES)

(MIRA 11:2)

(BUNIN, K.V.)

GONTEA, I., Prof.

Nutrition and atherosclerosis. Med. intern. (Bucur) 16
no.9:1051-1064 S '64.

1. Lucrare efectuată la Catedra și Secția de alimentație
(Institutul medico-farmacologic și I.I.M., București).

1ST AND 2ND ORDERS		PROCESSES AND PROPERTIES INDEX		3RD AND 4TH ORDERS	
COMMON ELEMENTS		<p>CA</p> <p>Experimental investigations on the relationships between vitamin A and thyroxine. 1. The effect of vitamin A and of thyroxine on the basal metabolism; experiments on small animals. [Japen thyroidea and Maria Threus (Physiol. Inst., Med. Fak., Bucharest). <i>Vitaminic u. Hormone</i> 4, 131-41(1943); <i>Chem. Zentr.</i> 1944, II, 657.— Expts. on rats and mice are reported. Treatment with thyroxine (2 γ daily per g. of body wt. administered subcutaneously) increased the basal metabolic rate in 4 days by an av. of 37% for mice and 27% for rats. Administration of 12000 international units of vitamin A per os daily produced no change in the metabolic rate in 4-8 days. Subcutaneous administration produced an increase of about 13%. Simultaneous treatment with thyroxine and oral administration of vitamin A produced an av. increase in the basal metabolic rate which was 9% lower with mice and 6% lower with rats than that produced by treatment with thyroxine alone. Simultaneous injection of vitamin A produced a basal metabolic rate 6-8% higher than that shown by animals treated with thyroxine alone.</p> <p>M. G. Moore</p>		11-6	
MATERIALS INDEX		ASTM-SLA METALLURGICAL LITERATURE CLASSIFICATION		AUTHOR INDEX	
1ST AND 2ND ORDERS		3RD AND 4TH ORDERS		1ST AND 2ND ORDERS	

ARDELEAN, I., Membre correspondant de L'académie de la République populaire Roumaine; GONTA, I.: SUTESCU, P; VINTILA, P.

Investigations on the intensity of effort and on the role of the cerebral cortex in the process of adaptation of the organism to work in the forest. Sc. Répub. pop. roumaine Vol. 1:124-124 1953.

(CEREBRAL CORTEX, physiology,

in adaptation of organism to work)

(WORK,

adaptation of organism, intensity of effort & role of cerebral cortex)

(ADAPTATION,

of organism to work, intensity of effort required & role of cerebral cortex)

ARDELEAN, I., Prof.; GONTEA, I.; SUTESCU, P.; PERETEANU, J.; TARTER, R.

Alimentation and nutritional status of metallurgists working
in high temperatures. Rev. igiena microb. epidem., Bucur. no.3:
10-30 July-Sept 54.

(NUTRITION

alimantation & nutritional status of metallurgists
working in high temperatures)

(TEMPERATURE, effects

high temperature, on nutritional requirements & state
of metallurgists working in indust. plants)

(WORK, effects

on nutritional requirements & state of metallurgists
working in high temperature)

GONTEAU, Iancu; SUTESCU, P.

Study of the effect of carrying loads and wearing filter-masks on
intensity of effort in walking. Bul.stiint., sect.med. 6 no.4:1009-
1021 Oct-Dec. '54. (MLRA 8:8)

(EXERCISE)

walking, eff. of carrying loads & wearing respiratory
masks on intensity of effort)

(WORK

load-carrying, eff. of wearing respiratory masks on
intensity of effort)

(METABOLISM

oxygen consumption, eff. of load-carrying)

(LACTIC ACID, in blood

eff. of load-carrying)

(CREATININE, in urine

eff. of load-carrying)

(BLOOD

lactic acid, eff. of load-carrying)

(URINE

creatinine, eff. of load-carrying)

GONTA, Iancu; SUTESCU, P.; GARDEV, M.; PERETIANU, J: GONTA, Liviu

~~Study of the rationing, for agricultural workers. Bul. stiint.,~~
sect.med. 7 no.4:1097-1117 Oct-Dec '54. (MLA 8:8)

1. Lucrare premiata de Consiliul stiintific I.M.F.

(FOOD

rationing, for agricultural workers in Romania)

(AGRICULTURE

food rationing of agricultural workers, in Romania)

GONTA, Iancu; SUTESCU, P.; MIHAILA, I.; STEURMANN, J.

Effect of carbonated water containing salt on the functional reactions of the body during work in high temperature. Probl. ter., Bucur. 2:133-153 1955.

1. Facultatea de igiena si Institut de igiena, Bucuresti.

(HEAT, effects

on funct. reactions of body during work or exercise,
eff. of carbonated water containing salt)

(SODIUM CHLORIDE, eff.

on funct. reactions of body during work in high
temperature, with carbonated water)

(WATER

carbonated water containing salt, eff. on funct.
reactions of body during work in high temperature)

(DEHYDRATION

prev. with carbonated water containing salt, in
workers in high temperature)

GONTA, I.,; SUTESCU, P.,; VINTILA, P.,; VAIDA, I.

~~WATSON~~

Study of the trophophylactic effect of food in experimental chronic lead poisoning. II. Role of vitamins. Bul stiint., sect. med. 7 no.4:1339-1349 Oct-Dec 55.

1. Sectia de fiziologie a Centrului de igiena muncii, Institutul de igiena, Bucuresti. 2. Ardelean membru corespondent al academiei R.P.R.

(LEAD POISONING, experimental
protective eff. of food & vitamins, in rats)

(VITAMINS, effects
on resist. to exper. lead pois., in rats)

(DIETS, effects
on resist. to exper. lead pois. in rats)

GONTEA, I.

Research on the consumption of vitamin C during effort.

p. 223 (Academia Republicii Populare Romine. Institutul de Fiziologie Normala si Patologica. Studii Si Cercetari De Fiziologie. Vol. 1, no. 1/2, Jan./June 1956. Bucuresti, Rumania)

Monthly Index of East European Accessions (EEAI) LC. Vol. 7, no. 2, February 1958

GONTEA, I.

Rumania/General Biology. Individual Development B

Abs Jour : Ref Zhur-Biol., No 13, 1958, 57153

Author : Gontea Iancu

Inst : Not given

Title : The Role of a Disturbed Regime of Nutrition
During the Period of Gravidity

Orig Pub : Viata med., 1956, 3, No 12, 3.17

Abstract : A review of experiments conducted to investigate the role of A and B vitamins in the development of the fetus. Statistical data obtained in different counties in regard to congenital deformities connected with conditions of the mother's nutrition during the period of gravidity are cited. For more than a half of a century congenital deformities were regarded exclusively as manifestations of genetic factors

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"APPROVED FOR RELEASE: 06/13/2000" CIA-RDP86-00513R000516020006-1"

Abs Jour : Ref Zhur-Biol., No 13, 1958, 57153

Abstract : (atavism, pathological heredity, anomalies of the sex cells,) while the extraneous medium factors were ignored. As a result of the experimental changes of the nutrition regime in pregnant animals, during the past decade different congenital deformities were obtained, identical to those which previously were considered exclusively as hereditary. In the light of this trend of etiopathogenesis of congenital deformities the role of prophylactic measures is growing in importance

Card 2/2

GONTEA, Iancu

Country : RUMANIA
 Category: Human and Animal Physiology. Physiology of Labor and Sport
 Abs Jour: RZhBiol., No 19, 1958, 89305
 Author : Gontea, I.; Sutescu, P.; Pereteanu, J.
 Inst : ~~Rumanian~~ Academy
 Title : Vitamin C Requirements of the Human Organism at Work

T

Orig Pub: Under Conditions of Elevated Temperature of the Medium. Studii si cercetari fiziol. Acad. RPR. 1957, 2, No 1-2, 150-160.

Abstract: In men, carrying out heavy work (84,000 cal. in 4 hours) with a loss of 35-400 cal. per hour, at an average temperature of $35 \pm 2^\circ$, the ascorbic acid values of the blood decreased by 13% and the ascorbic acid elimination in the urine increased

Card : 1/3

T-130

Country : RUMANIA
 Category: Human and Animal Physiology. Physiology of Labor and Sport

T

Abs Jour: RZhBiol., No 19, 1958, 89305

by 27% as compared with the values at a temperature of $20 \pm 2^\circ$ and under identical working conditions. Ascorbic acid (A), in the range of 1.16-4.83 mg %, was found in the sweat of all the experimental subjects excreted wholly during the time of work at an elevated temperature. With heavy work, under identical conditions the average volume of sweat reached 2,400 ml., the loss of A with the sweat equalled 6.5 mg. Requirement of vitamin C was higher by 15-20 mg than in carrying out identical work at a temperature of 20° ; the addition to the daily diet of 150-200 mg of A did not materially increase the productivity of work under the con-

Card : 2/3

Category: Human and Animal Physiology. Physiology of Labor and Sport.

T

Abs Jour: RZhBiol., No 19, 1958, 89305

GONTEA, Ianou ; SUTESCU, P.

Investigations concerning the influence exerted by muscular strain & a warm microclimate upon ascorbinaemia & ascorvuria in man. Romanian M. Rev. 3 no.1:3-7 Jan-Mar 59.

1. A synthesis, of works carried out at the Institute of Hygiene Bucharest.

(VITAMIN C, metab.

blood & urinary levels, eff. of musc. strain & warm microclimate in man)

(HEAT, eff.

on blood & urinary vitamin C levels of man in warm microclimate)

(EXERCISE, eff.

on blood & urinary vitamin C Levels of man after musc. strain)

GONTSEA, Iancou; SUTZESCO, P.

Research on energy expenditure in workers. J. Hyg. Epidem., Praha 3
no.1:85-95 1959.

1. Laboratoire de la chaire d'Alimentation. Faculte de Medecine, Bucarest.
J. Gontsea, Laboratoire de la chaire d'Alimentation, Faculte de Medecine,
Str. Dorobantilor Nr. 244, Bucarest, Roumanie.

(ENERGY)

expenditure in indust. workers (Fr))

(INDUSTRIAL HYGIENE

energy expenditure of workers (Fr))

GONTEA, Iancu, assist. prof.; SUTESCU, P.; DUMITRACHE, S.

Investigations of protein requirements of man during labour.

Rumanian M Rev. no.3:94-96 JI-S '60.

(PROTEINS metabolism) (EXERTION physiology)

GONTEA, Iancu; SOLOMON, Eugenia.

Digestive utilization of food. Med. intern., Bucur 12 no.11:
1719-1728 N '60.

1. Catedra de alimentatie I.M.F. — Bucuresti.
(GASTROINTESTINAL SYSTEM physiology)

GONTEA, I.; SUTESCU, P.; DUMITRACHE, S.

The influence of a hot microclimate on protein requirements during labour. Rumanian M Rev. no.1:162-164 Ja-Mr '61.

(EXERTION physiology)
(HEAT)

(PROTEINS metabolism)

GONTEA, Iancu; DUMITRACHE, S.; ISVORANU, Zenovia; PAMBUCCIAN, G.

Importance of proteins for resistance of the body to a toxic substance
(phenylhydrazine). Med. intern. 13 no.11:1529-1540 N '61.

1. Lucrare efectuata la Catedrele de alimentatie si anatomie patologica,
I.M.F. Bucuresti.

(ANEMIA, HEMOLYTIC experimental)
(PROTEINS nutrition & diet)
(PHENYLHYDRAZINE toxicology)

GONTEA, I.

RUMANIA

Professor

Bucharest, Igiena, Revista de Igiena si Sanatate Publica
A Uniunii Societatilor de Stiinta Medicale din Republica
Populara Romina, No 4, July-August 1962, pp 281-304.

"Research on the Possibility of Preventing the Dystrophic Effect of Corn. Part I. The Influence of Means of Processing. Part II. Effect of Correcting Some Deficiencies of Corn Meal by Supplementing it with Pure Trophine. Part III. Influence of Mixing Polenta with Various Products of Vegetable Origin." (Paper Compiled in the Department of Alimentation Hygiene of the Medical-Pharmaceutical Institute in Bucharest.)

Co-authors: COSMA, V.; COCORA, D.

SUTESCU, P.

RUMANIA

GONTEA, I., Professor; DUMITRACHE, S., MD.

Section of Alimentation Hygiene, Institute of Medicine and
Pharmacy (Catedra de igiena a alimentatiei, I.M.F.),
Bucharest - (for all)

Bucharest, Igiena, Vol XII, No 1, Jan-Feb 63, pp 11-20.

"The Metabolism of Ethyl Alcohol and the Effects of Abusive
Use of Alcoholic Beverages."

(2)

GONTEA, I.

RUMANIA

ILEA, T., Professor; ARDELEAN, I., Professor; GONTEA, I., Professor;
GAVRILESCU, N. Lecturer.

Bucharest, Igiena, No 3, May-Jun 63, pp 193-198

"Progress of Medical-Biological Studies and the Process of
Forming Teaching and Research Cadres in the field of
Hygiene and Public Health."

3

RUMANIA

GONTEA, Iancu, Professor.

Department of Food Hygiene, Institute of Medicine and Pharmacy,
Bucharest, and the Section of Food Hygiene at the Institute of
Hygiene and Labor Protection, Bucharest (Catedra de igiena
alimentatiei I.M.F. Bucuresti si Sectia de igiena alimentatiei
din Institutul de igiena si protectia muncii Bucuresti)

Bucharest, Igiena, No 4, Jul-Aug 63, pp 289-299

"The Ration of Liquids and Atheromatosis."

5
ROMANIA

GONTEA, I., Professor; IGWATESCU, N., MD; SUTESCU, Paraschiva, MD;
DUMITRACHE, S., MD; POZNAN, Victoria; RUJINSKI, Alice.

Bucharest, Igiena, No 6, Nov-Dec 63, pp 507-515

"The Alimentation of Workmen on the Building Sites in Bucharest."

(b)

ROMANIA

GONTEA, I., Professor; AGNATESCU, N., MD; SUTESCU, Paraschiva, MD;
DUMITRACHE, S., MD; POZNANI, Victoria; PUJINSKI, Alice.

Bucharest, Iziona, No 6, Nov-Dec 63, pp 507-515

"The Alimentation of Workmen on the Building Sites in Bucharest."

(6)

CONTEA, I.; SUTESCU, Paraschiva; DUMITRACHE, S.

Muscular activity and nitrogen consumption. Fiziol. norm. pat.
10 no.5:449-459 S-O '64.

1. Catedra de igiena alimentatiei, Institutul medico-farmaceutic,
Bucuresti.

BURGHELE, Th.; CONTEA, I.; SUTESCU, P.

Calcic dystrophy with severe osteopathy after ureterosigmoidostomy. R. nian med. rev. 19 no.2:50-57 Ap-Je '65.

GONTEA, Iancu; SUTESCU, P.

Research on nitrogen loss by perspiration. Studii cerc biochimie
6 no.2:215-232 '63.

1. Catedra de alimentatie a Institutului medico-farmaceutic,
Bucuresti.

X

GONTEA J.

GONTSYA, Ya. [Gontea, J.]; SHUTESSKU, P. [Sutescu, P.]; DUMITARKI, S.
[Dumitrache, S.]

Effect of high environmental temperature on human protein requirement
(according to the the nitrogen balance) during muscular activity.
Vop. pit. 19 no. 6:12-17 N-D '60. (MIRA 13:10)

1. Iz kafedry pitaniya Mediko-farmatsevticheskogo instituta,
Bukharest.

(EXERCISE) (PROTEIN METABOLISM) (HEAT—PHYSIOLOGICAL EFFECT)

GONTEA, I.; SUTESCU, Paraschiva; DUMITRACHE, S.; COCORA, Despina; SUMA, S.

Protein requirements in man during muscular activity. Effect of the amount of nitrogen intake before exertion on stress of the organism. Fiziol. norm. pat. 11 no.2:133-142 Mr-Apr '65.

1. Catedra de igiena alimentatiei, Institutul medico-farmaceutic, Bucuresti.

CONTEA, L.; SUTESCU, Paraschiva; RUJINSKI, Alice

Research on the energetic requirements of women during pregnancy and lactation. Fiziol. norm. pat. 11 no.1:47-53 Ja-F '65.

1. Catedra de alimentatie, Institutul medico-farmaceutic, Bucuresti.

GONTEA, Iancu; SUTESCU, P.; GARDEY, M.; PERETIANU, J; GONTEA, Liviu

Study of the rationing, for agricultural workers. Bul. stiint.,
sect.med. 7 no.4:1097-1117 Oct-Dec '54. (MIRA 8:8)

1. Lucrare premiata de Consiliul stiintific I.M.F.
(FOOD

rationing, for agricultural workers in Romania)
(AGRICULTURE

food rationing of agricultural workers, in Romania)

GONTA, L.; SUTESCU, P., dr.; VINTILA, P., dr.

Study of food rations necessary for workers engaged in drilling.
Rev. igiena microb. epidem., Bucur. Vol. 4:47-53 Oct-Dec 55.

1. Catedra de igiena alimentatiei I. M. P. Bucuresti si Centrul
de igiena muncii si boli profesionale.

(NUTRITION

requirements of drillers in oil industry, in
Rumania.

CONTRA, L.

Studies on the effect of raised temperature upon the coefficient
of useful work. p. 441. ACADEMIA REPUBLICH POPULARE ROMANE
Rumania Vol. 5, no. 2, Feb. 1955

SOURCE: EEAL, Vol. 5, no. 11, August 1956

ROMANIA/Ruman and Animal Physiology. Metabolism.

Abs Jour: Ref Zhur-Biol., No 20, 1958, 92985.

Author : Gontea, L.

Inst :

Title : The Pellagrous Effect of Corn.

Orig Pub: Viata Med., 1958, 5, No 2, 97-107.

Abstract: The connection between the consumption of corn (I) and the appearance of endemic pellagra was proved by epidemiological observations and experimentally. With the consumption of I clinical and biochemical signs of a niacin deficiency appeared. Pellagra symptoms can also be found in animals. In dogs there is "black tongue" with stomatitis, thick saliva and necrotic glossitis, gingivitis and pharyngitis with gastro-intestinal disturbances, anemia, and general malaise;

Card : 1/2

RUMBLE/Human and Animal Physiology. Metabolism.

Abs Jour: Ref Zhur-Biol., No 20, 1958, 92985.

T

for young pigs and monkeys severe disturbances are characteristic. Observations and experiments of the author indicated that the pellagrous effect of I appeared only with a history of a nutrition poor in animal products and was due to an insufficient amount in I of niacin and tryptophane and expressed by the lack of balance in the amino acid content of I, and, possibly, by the presence in it of anti-niacin or toxic substances which might increase the requirement of the organism for vitamins. -- E.M. Sheynbaum.

Card : 2/2

GONTEA, L; SUTESCU, P; FLORESCU, S.

Study of the antinutritive substances in food. II. Relations between the antitryptic action of an alimentary product and its nutritive value. P. 863.

COMUNICARILE. Bucuresti, Rumania. Vol. 8, no. 8, Aug. 1958.

Monthly list of European Accessions (EEAI) LC, Vol. 8 no. 8, Aug. 1959

Uncl.

POBORAN, V., prof.; GONTEANU, Zoe, asist.; MATEI, I., asist.

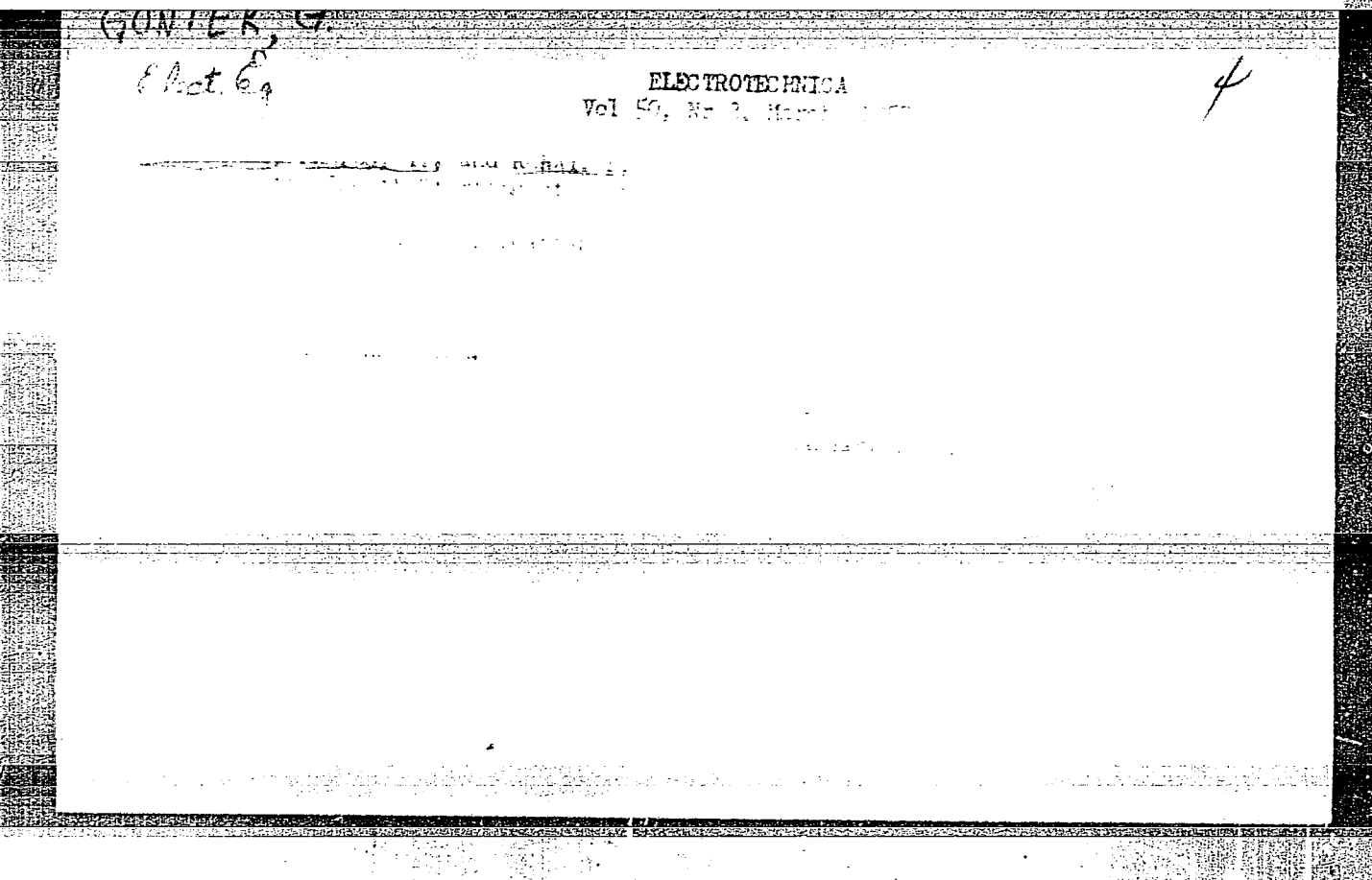
Dimensioning the face distances of the inner dump steps in the Roviari mine. Rev min 15 no.2:73-79 F '64.

COMTER, G.; LANTOS, T.; RONAY, B.

The automatic smooth starting of asynchronous motors.

P. 46 (ELEKTROTECHNIKA) Budapest, Hungary Vol. 50, No. 1/2, Jan./Feb. 1957.

SO: Monthly Index of East European Accessions (AEEI) Vol. 6, No. 11 November 1957.



GONTI, TIBOR, fotomaster (Chekhoslovatskaya Sotsialisticheskaya
Respublika)

A school of mastery. Sov.foto 21 no.12:16-17 D '61.

(MIRA 14:12)

(Photography--Exhibitions)

(Moscow--Exhibitions)

SOV/124-57-7-8468

Translation from: Referativnyy zhurnal. Mekhanika, 1957, Nr 7, p 150 (USSR)

AUTHORS: Gontkevich, V. S., Butkovskiy, V. V.

TITLE: The Determination of Internal-friction Energy Losses in Metals Due to Bending Vibrations (Opredeleniye poter' energii na vnutrenneye treniye v metalle pri izgibnykh kolebaniyakh)

PERIODICAL: Sb. tr. Labor. problem bystrokhod. mashin i mekhanizmov
AN UkrSSR, 1955, Nr 5, pp 167-178

ABSTRACT: The authors adduce some results of an experimental investigation on the dissipation of energy in various steels of some ten grades during damped bending vibrations, for which purpose the well-known tuning-fork-shaped test specimens were used and the amplitude of vibration was recorded on a motion-picture film by means of an MPO-2 loop oscillograph and strain gages glued onto the handle of the tuning fork. The account of the test results is preceded by a certain amount of theoretical analysis of the transverse vibrations of the handle of a tuning fork, taking into consideration the dissipation of energy within the material. Here the authors base their reasoning on the expression of the stresses at a given moment of time in a specific fiber at a

Card 1/3

SOV/124-57-7-8468

The Determination of Internal-friction Energy Losses in Metals (cont.)

distance η from the neutral axis offered by A. P. Filippov (RZhMekh, 1954, abstract 3071)

$$\sigma = E \left[\epsilon + \frac{1}{\omega} (\mu_0 + \mu_1 |\epsilon_0| + \mu_2 \epsilon_0^2) \frac{\partial \epsilon}{\partial t} \right]$$

where μ_0 , μ_1 , and μ_2 are the damping coefficients, ω is the vibration frequency, and ϵ_0 is the amplitude of the relative deformation. The coefficients μ_0 , μ_1 , and μ_2 are determined from the following equation derived by the authors;

$$\frac{\delta(A_1)}{\pi} = \mu_0 + \mu_1 \frac{C m_1^2}{l^2} A_1 + 35.49 \mu_2 \frac{D m_1^4}{l^4} A_1^2$$

where $\delta(A_1)$ is the logarithmic decrement of the vibrations of the tuning fork, which is determined from experimental data covering 5-to-10-percent sectors of amplitude decay. Herein

$$C = \frac{3}{8} h,$$

$$D = \frac{3}{20} h,$$

$$A_1 X_1(l) = 0.9744 y$$

h is the thickness of the handle, l is its length, m_1 is a characteristic parameter, $X_1(l)$ is the eigenfunction, and y is the static deflection of the end of the handle.
Card 2/3

SOV/124-57-7-8468

The Determination of Internal-friction Energy Losses in Metals Due to (cont.)

The experimental values of the logarithmic damping decrements obtained with the use of the above-mentioned method of study of the energy dissipation with a highly-nonuniform state of stress are expressed in graphic form as a function of the maximum stresses at the base of the handle. The damping coefficients obtained, μ_0 , μ_1 , and μ_2 , are presented in tabular form. The article corroborates such previously-established facts as the increase of the logarithmic decrement with an increase in amplitude and the absence of a relationship between the logarithmic decrement and the frequency (within the limits of 100 to 625 cps). It is pointed out that the damping coefficients thus derived may be used for the calculation of the transverse vibrations of rods of any shape and with any type of stress distribution. Bibliography: 10 references.

G. S. Pisarenko

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GONTKEVICH, V.S.

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Translation from: Referativnyy zhurnal, Mekhanika, 1958, Nr 2, p 122 (USSR)

AUTHOR: Gontkevich, V.S.

TITLE: On the Influence of Certain Factors on the Flexural Vibratory Damping Characteristics of the Principal Materials Employed in Turbine Construction (O vliyaniy nekotorykh faktorov na zaglushayushchuyu sposobnost' osnovnykh materialov, primenyayemykh v turbostroyenii, pri izgibnykh kolebaniyakh)

PERIODICAL: Sb. tr. Labor. gidravl. mashin. AN UkrSSR, 1956, Nr 6, pp 192-202

ABSTRACT: The author touches upon the subject of the influence of heat treatment, work hardening (during plastic bending), and increase of the temperature to 600° on the energy dissipation in the principal steels employed in turbine construction. Data obtained by the author on the variation of the relative dynamic modulus of elasticity with temperature are adduced for the same materials.

V. V. Khil'chevskiy

Card 1/1

GONTKEVICH, V.S. [Hontkevych, V.S.] (Khar'kov)

Lower bounds of eigenvalues of plates at vibrations
caused by bending. Prikl.mekh. 6 no.3:346-350 '60
(MIRA 13:8)

1. Laboratoriya gidravlicheskih mashin AN USSR.
(Elastic plates and shells--Vibration)

GONTKEVICH, V.S. [Hontkevych, V.S.] (Khar'kov)

Effect of water on natural vibration frequencies of blades of
axial flow hydraulic turbines. Prikl.mekh. 7 no.2:217-222 '61.
(MIRA 14'4)

1. Laboratoriya gidravlicheskikh mashin AN USSR.
(Hydraulic turbines---Vibration)